

# 1990 COMMAND HISTORY

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NAVAL MEDICAL RESEARCH AND DEVELOPMENT COMMAND  
NATIONAL NAVAL MEDICAL CENTER  
BETHESDA, MARYLAND





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## COMMANDING OFFICER

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### Captain James N. Woody, MC, USN

Captain Woody earned his Doctor of Medicine degree from Loma Linda University School of Medicine, Loma Linda, California in 1968. He began internship and residency training in Pediatrics at Duke University School of Medicine, Durham NC, and completed training in 1971 as a Senior Resident and Teaching Fellow in Pediatrics at Children's Hospital Medical Center, Harvard School of Medicine, Boston, MA.

Later that year he was commissioned in the United States Navy and reported to the Clinical and Experimental Immunology Unit at the Naval Medical Research Institute (NMRI), Bethesda, MD, as a research medical officer. During 1974 - 1977 he served in an outservice training capacity as a Research Fellow at the Tumor Immunology Unit, Department of Zoology, University College London, England. He earned a Ph.D. degree in Immunology from the University of London based on his research work during this period.

Captain Woody returned to NMRI to serve as Deputy Chief, Immunology Branch, Casualty Care Research Program Center from 1977 - 1982. In 1982 he became Chief, Transplantation Research Branch, and subsequently Director, Transplantation Research Program Center at NMRI. In this capacity, he was responsible for developing methodologies to treat combat casualties resulting in accelerated recovery. He held this position until assuming command of the U.S. Naval Medical Research Unit No. 3 (NAMRU-3), Cairo, the Arab Republic of Egypt in 1985.

During his tenure as Commanding Officer of NAMRU-3, Captain Woody also served as Director of the World Health Organization (WHO) Collaborating Center for AIDS, Eastern Mediterranean Region at NAMRU-3, and as a Consultant to the WHO. As Commanding Officer of NAMRU-3, he was responsible for the identification and treatment of diseases of military importance in the Middle East and Northern Africa.

In September 1988 he assumed his present duties as Commanding Officer, Naval Medical Research and Development Command, Bethesda, MD.

Captain Wood holds the rank of Professor of Pediatrics and Microbiology at Georgetown University School of Medicine and serves as an Attending Physician and Lecturer in Immunology. He is also an Adjunct Associate Professor at the Uniformed Services University of Health Sciences.

Captain Woody is a Diplomate of the National Board of Medical Examiners, and the American Academy of Pediatrics, and is licensed to practice medicine in Maryland and Washington D.C. He is currently a member of the honors medical society Alpha Omega Alpha, the American Association of Immunology, the American Society of Tropical Medicine and Hygiene, and the Transplantation Society. He has authored or co-authored over 100 professional publications in the fields of Immunology, Transplantation and Infectious Diseases. He has been awarded the Meritorious Service Medal, and National Defense Ribbon, and the Overseas Medal with two stars. He also received the Edwards Rhodes Stitt award from the Association of Military Surgeons of the United States for his development of a comprehensive program to treat CBR casualties. Prior to leaving Egypt Captain Woody was honored by the Egyptian Minister of Health, receiving a plaque and the Ministry of Health Golden Anniversary Medal for his work with the Ministry while Commanding Officer of NAMRU-3. He was also awarded the World Health Organization Special Merit Award for his assistance to this organization.

A native of Bay City, MI, Captain Wood has a BS in Chemistry from Andrews University, Berrien Springs, MI, In 1989 he was chosen as Alumni of the Year for achievement by his alma mate.

Captain Woody is married to the former Suzanne Taylor. They have two children, Alexandria and Justin. The Woody's make their home in Bethesda, MD.

### Previous Commanding Officers

Previous Commanding Officers	
CAPT C.E. Brodine, MC, USN	1974 - 1977
CAPT J.D. Bloom, MC, USN	1977 - 1980
CAPT J.F. Kelly, DC, USN	1980 - 1985
CAPT W.M. Houk, MC, USN	1985 - 1988
CAPT J.N. Woody, MC, USN	1988 -

In 1974, the Bureau of Medicine and Surgery established the Navy Medical Research and Development Command as an echelon III headquarters activity exercising full oversight responsibilities for the Navy's medical research, development, test and evaluation efforts. Such a broad range of responsibilities requires combining military and civilian research talent with scarce resources to produce results that will enhance the operational readiness, mission effectiveness, and combat medical support for the Navy and Marine Corps. To meet these requirements the Naval Medical Research and Development Command includes eight laboratory commands and their detachments located in the United States and overseas.

The Naval Medical Research and Development Command's laboratory facilities equal those available at modern academic and industrial institutions. A number of the laboratories provide unique test equipment and specialized software for pursuing research relevant to the Navy and Marine Corps. Military and civilian personnel are highly trained in a number of disciplines and offer a blend of research experience and technology development to meet long- and short-term goals.

### Major Research Program Areas

By developing research programs that focus on the unique medical requirements of the military, the Naval Medical Research and Development Command ensures that the men and women in the Navy and Marine Corps are prepared to complete their missions. Current medical research and development efforts are directly linked to the requirements for Medical Department support of the operational Navy and Marine Corps.

Major Research Program Areas	
Combat Casualty Care	Infectious Diseases
Diving and Submarine Medicine	Fleet Occupational Health
Aerospace Medicine and Human Performance	Military Oral Health Research

### **Combat Casualty Care**

The Combat Casualty Care Program, Naval Medical Research and Development Command's largest research program, focuses on operational readiness, mission effectiveness, and medical support for deployed combat forces. Timely and effective treatment for combat trauma is essential for optimal return to duty of personnel, overall mission effectiveness, and elimination or reduction of injury complications. Medical complications from severe hemorrhage, wound contamination, shock lung, septic shock, severe burns, radiation exposures, non-freezing cold injuries, immersion hypothermia, and injuries due to chemical and biological warfare agents are the focus of innovative research and development efforts.

### **Infectious Disease**

Because sailors and Marines are deployed around the world, Navy laboratories in the United States and overseas are constantly assessing infectious diseases that could threaten military operations. The Infectious Disease Program includes basic and applied studies related to the prevention, diagnosis, and treatment of military relevant infectious diseases. Basic research in microbiology, immunology, pathogenesis, disease prevention, and vector transmission provides insight into developing prevention and treatment measures. Applied studies focus on the development and testing of vaccines, prophylactic and therapeutic drugs, as well as the development of rapid identification and diagnostic methods and equipment.

## **Diving and Submarine Medicine**

The Diving and Submarine Medicine Program focuses on the safety and readiness of Navy divers and submariners. The Navy's diving research program represents a unique center of expertise that investigates a wide range of medical and physiological problems related to diving. Research efforts are related to submarine rescue, deep water recovery, underwater construction, special forces operations, explosive ordnance disposal and other underwater applications. The extraordinary working environment of a submarine is the focus of researchers who evaluate the environmental controls and occupational medical aspects of submarine operations. The major efforts include sonarman performance, medical qualifications for submarine duty and improved crew health and safety.

## **Fleet Occupational Health**

The Fleet Occupational Health Program studies the physiological and biological impact of Navy systems and technologies. The program focuses primarily on two areas, the assessment of biomedical risk and the development of safe exposure criteria. Researchers evaluate exposure to Navy-specified hazardous materials which results in recommendations of health standards. Medical factors that limit performance are studied to assess and minimize the effects of operational and environmental stressors on health and safety. Another focus of research is objective hearing assessment methods and novel techniques for hearing protection.

## **Aerospace Medicine and Human Performance**

The Aerospace Medicine and Human Performance Program concentrates on the interaction between military personnel and their diverse working environments. Current studies include evaluating various biomedical interventions to enhance performance during sustained and continuous combat operations. Also, studies are planned to parallel research being done by the Navy's warfare technology laboratories. Complex, high-tech Navy defense systems are creating more physically and intellectually demanding work environments and Navy researchers are assessing the medical requirements of these systems in order to provide support for the designers and ultimately to the people who will use them.

## **Military Oral Health Research**

The Military Oral Health Research Program focuses on the dental and oral health problems of sailors and Marines and the dental problems of operational deployments. Areas of research cover preventive dentistry, dental caries, periodontal disease, oral microbiology, oral surgery and physiology, and equipment development and evaluation. To maximize dental wellness researchers recommend treatments to Navy dentists that have the highest rate of long-term clinical success and provide monitoring schemes to track the dental wellness of the active duty Navy and Marine Corps personnel.

## Command Status

### Establishment

The Naval Medical Research and Development Command was established on 1 July 1974 in accordance with OPNAVNOTE 5450 of 7 June 1974, to provide for the management of Navy Medical Department research, development, test and evaluation programs under the purview of the Navy Medical Department.

### Mission

To plan, manage, and direct research, development, test, and evaluation (RDT&E) programs concerning the health, safety, and readiness of Navy and Marine Corps personnel in the effective performance of peace time and contingency missions, and to perform such other functions or tasks as directed in support of Fleet readiness.

### Command Relationships

The Navy Medical Research and Development Command is under the command of the Bureau of Medicine and Surgery and receives direct support from the National Naval Medical Center, Bethesda, MD. Naval Medical Research and Development Command is subject to the area coordination of the Commandant, Naval District, Washington, DC.

Echelon of Command	
1.	Chief of Naval Operations
2.	Chief, Bureau of Medicine and Surgery
3.	Commanding Officer, Naval Medical Research and Development Command, Bethesda, Maryland
Host:	National Naval Medical Center, Bethesda, Maryland
Area	
Coordinator:	Commandant, Naval District Washington

### Component Activities

The following Echelon 4 and 5 Naval activities are assigned to the Naval Medical Research and Development Command for operation:

Naval Aerospace Medical Research Laboratory, Pensacola, FL

Naval Biodynamics Laboratory, New Orleans, LA

Naval Dental Research Institute, Great Lakes, IL

Naval Health Research Center, San Diego, CA

Naval Medical Research Institute, Bethesda, MD

Naval Medical Research Institute Detachment, Lima, Peru

Naval Medical Research Institute Toxicology Detachment, Wright-Patterson Air Force Base, OH

Naval Submarine Medical Research Laboratory, Groton, CT

U.S. Naval Medical Research Unit No. 2, Manila, Republic of the Philippines

U.S. Naval Medical Research Unit No. 2 Detachment, Jakarta, Indonesia

U.S. Naval Medical Research Unit No. 3, Cairo, Arab Republic of Egypt

## Functions

As directed by the Chief, Bureau of Medicine and Surgery:

- a. Command the Navy Medical Department research and development laboratories and activities and support their RDT&E missions by providing personnel, funds, and facilities.
- b. Directs, plans, programs, budgets, and documents the Navy Medical Department RDT&E efforts in response to Navy and Marine Corps RDT&E requirements.
- c. Determines the requirements for and recommends the procurement, training, assignment and distribution of research and development personnel.
- d. Performs staff functions for and advises the Navy Surgeon General on RDT&E matters.
- e. Provides professional medical and dental guidance in the planning of Navy and Marine Corps weapons systems, life support systems, and personnel protection.
- f. Assigned, executes Medical Department responsibilities relating to the use and protection of human subjects utilized in RDT&E studies conducted by, within, or for the Department of the Navy.
- g. Provides veterinary animal use support to the Navy Medical Department as required.
- h. Coordinates research efforts with other Navy commands and offices, other government agencies, civilian organizations, and foreign governments.
- i. Provides and undertakes such other functions as may be authorized or directed by higher authority.

## COMMAND STAFFING

Manpower Authorization			
Officer	Enlisted	Civilian	Total
14	3	16	33
Military Staffing			
Officers	MC/2100	MSC/2300	
Captains/06	3	3	
Commanders/05	2	2	
Lt Commanders/04	0	3	
Lieutenants/02	0	1	
U.S. Army Veterinary			1
<b>Total</b>	<b>5</b>	<b>9</b>	<b>1</b>
Enlisted			
E-9	1		
E-5	1		
E-3	1		
<b>Total</b>	<b>3</b>		
<b>Grand Total Military Personnel</b>			<b>18</b>

## **AWARDS AND PROMOTION**

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### **Civilian Personnel**

#### **Received Outstanding Performance Appraisal**

Ms. Christine S. Eisemann	Ms. Lisa B. Morgan	Mr. A. David Spevack
Ms. Jane Hoover	Ms. Deborah Pilkerton	Ms. Judith A. Hartig
Mr. Alvin M. Edwards	Ms. Mary Alice Tartler	Ms. Maureen Young
Mr. Kip Johnson	Mr. Philip J. Cheng	Ms. Teresa Coppolino
Ms. Joan Speak-Ponow	Ms. Andrea Blum Pfeffer	

#### **Cash Awards**

Ms. Christine S. Eisemann	Ms. Lisa B. Morgan	Mr. A. David Spevack
Ms. Jane Hoover	Ms. Deborah Pilkerton	Ms. Judith A. Hartig
Mr. Alvin M. Edwards	Ms. Mary Alice Tartler	Ms. Maureen Young
Mr. Kip Johnson	Mr. Philip J. Cheng	Ms. Teresa Coppolino
Ms. Joan Speak-Ponow	Ms. Andrea Blum Pfeffer	

#### **Military Awards**

CDR Richard Wolf, MSC, USN	Meritorious Service Medal
LCDR David H. Hofflinger, MSC, USN	Navy Commendation Medal
HMCM A. Trembly, USN	Navy Commendation Medal

#### **Promotions**

LT. Michael Dobson, to LCDR on 1 July 1990



### **Soman-induced performance changes linked to the brain's hippocampus**

Neurochemical studies have shown that continual, low level soman exposure of rodents caused a loss of "long-term potentiation" (LTP), which is an exaggerated, long-lasting, measurable brain response thought to be directly related to memory storage in the brain. The loss of LTP in soman-treated animals suggested that soman may act directly on the brain hippocampus, destroying the formal synaptic activity which forms the basis of information retention and cognitive performance. This novel finding identifies a previously unknown brain tissue target of soman activity and potentiates a new focus for the development of improved prophylactic drugs and/or performance -saving therapies for chemical warfare protection.

### **Acute and chronic cold exposure caused adaptive changes in norepinephrine, triiodothyronine, hypertension, core temperature and whole blood viscosity**

Navy personnel working in extremely cold environments commonly experience cold-induced physiological and performance injuries which are preventable by repeated, prolonged, pre-deployment cold exposures to allow adaptation to cold. Such expensive and time-consuming acclimation periods can be avoided by the development of cold-induced physiological alterations based on a full understanding of the biological events associated with the cold adaptive response, so that appropriate targets of biochemical or drug therapy can be identified. A number of cold-induced alterations were discovered in the blood and hormonal composition of human subjects who were either naturally exposed to a cold environment or experimentally cold-adapted in climate chambers. The most pertinent changes were noted in blood viscosity, blood pressure, and the level of the hormone, triiodothyronine.

### **Hormone-containing nasal sprays may extend diving operations**

Prolonged water immersion of Navy divers can induce diuresis, intravascular volume contraction, hypotension, decreased cerebral perfusion, and subsequent decrements in task performance. 8-Desaminoarginine vasopressin (DDAVP), a long-acting synthetic analogue of a naturally occurring hormone, was tested for the ability to decrease the dehydration induced by water immersion and to increase the time available for Navy Seals to perform operational tasks. Findings indicated that DDAVP could prove to be an effective measure for avoiding submersion-induced diuresis and for markedly increasing the operational underwater time of deployed Navy Seals.

### **Improved diving decompression table**

Modifications in nitrogen electrode design extend stability and improve accuracy for Navy divers by facilitating the development of improved decompression tables. Scientists have fabricated a durable, cable, pressure resistant electrode, small enough for in-vivo use, and capable of sustained performance over the anticipated duration of gas kinetics experiments. Scientists are optimistic that efforts focusing on electrode miniaturization, pressurization hardening, and minimal variation between repetitive measurements will yield a valuable scientific instrument in the near term.

### **Novel monoclonal antibodies define the role of treponema denticola in human periodontal disease**

Studies on the pathogenesis of human periodontitis confirmed, for the first time, that the bacterium, Treponema denticola has a central role in the establishment and severity of periodontal disease.



### **Navy dentists designed a new ballistic face shield**

The prototype ballistic face shield was designed to protect Navy and Marine Corps personnel from fragmentation injury to the head and neck. The shield weighs only 24.8 ounces and consists of a heat-resistant, optical-quality, clear polycarbonate visor and a lower Kevlar shield which can be attached to the Navy battle helmet by a mechanism which allows pivoting and locking of the shield in both the lowered and retracted position.

### **RADHAZ measurements made easier**

A measurement system, the RF current-to-ground-meter, has shown real shipboard utility in the on-site measurements of RF current in exposed personnel. The easily obtained RF current-to-ground is directly related to the average, whole-body specific absorption rate.

### **Microclimate personal cooling system for Navy shipboard personnel in the Persian Gulf**

Navy shipboard personnel in the Persian Gulf experienced ambient temperatures that often exceeded 140 degrees (F). For some duty specialties, such as fire fighters, helicopter crews, and engine room personnel, the high heat imposed by these extreme temperatures are further exaggerated by the need for protective garments for the actual work location. The result of this project was the development of a microclimate personal cooling system that could prevent or minimize this high rate of occupational heat stress and its resulting decrease in operational performance.

## **SUMMARY OF SIGNIFICANT EVENTS**

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02 Apr 90	Command Inspection of Naval Medical Research Institute, Bethesda, MD.
09 Jul	Command Inspection of Naval Dental Research Institute, Great Lakes, IL.
15 Jul	CAPT T. Jones attended Summer Study on Aviator Physical Stress.
20 Jul	CAPT Lawrence R. Shivertaker, MC, USN, retired from active duty.
24 Jul	The Commanding Officer, signed the command's first Cooperative Research and Development Agreement (CRDA). The Agreement transfers a cell line developed at NAVMEDRSCHINSTITUTE to Pharmingen for commercial development.
25 Jul	LCDR M. C. Leorza, MSC, USN, reported for duty.
14 Aug	HM2 A. W. Wilson, USN Re-enlisted for three years.
15 Aug	LCDR J. Beddard, MSC, USN, reported for duty.
30 Aug	CAPT P. M. Curran, MSC, USN, reported for duty.
31 Aug	HMCMA Trembly, USN, transferred on PCS orders.
31 Aug	CDR R. Wolf, MSC, USN transferred on PCS orders.
September	The Command established the Navy Forward Laboratory (NFL), in Saudi Arabia in support of Operation Dessert Shield. Infectious disease specialists from NAVMEDRSCHDEVCOM, NAVMEDRSCHINSTITUTE, and NAVMEDRSCHUTHREE deployed with the First Marine Expeditionary Force to Al Jubayl, Saudi Arabia. The laboratory was established in an abandoned Saudi hospital near the Kuwaiti border and allowed the researchers to monitor diseases disabling the front-line troops.

15 Sep	CAPT T. Jones attended the Naval Research Advisory Committee (NRAC) Report in Pensacola, FL.
31 Sep	CDR R. Campbell, MSC, USN transferred on PCS orders.
03 Dec	Command Inspection of Naval Aerospace Medical Research Laboratory, Pensacola, FL.

## COMMAND FUNDED TRAVEL FOR 1990

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Dates	Place	Purpose
02 Jan	Tampa, FL	CAPT J. Woody, and CDR P. Kent, attended USCINCSOC Brief
09 Jan	Orlando, FL	CAPT T. Jones attended meeting.
11 Jan	San Diego, CA	CAPT J. Woody, and CDR P. Kent attended NAVSPECWARCOM briefing.
16 Jan	San Antonio, TX	CAPT A. Melaragno, and CDR L. Yaffee attended Conference.
05 Feb	Warminster, PA	Ms C. Eisemann attended R/D Formation Exchange Conference.
05 Feb	Austin, TX	CAPT L. Shiveraker attended professional conference.
11 Feb	Albany, NY	CDR L. Yaffee attended conference, and meetings.
12 Feb	Reno, NV	CAPT J. Woody attended conference.
15 Feb	Groton, Ct	CDR P. Kent visited to participate in Proposal Review at Naval Submarine Medical Research Laboratory.
26 Feb	San Diego, CA	Mr. K. Johnson visited to conduct Annual Occupational Safety and Health Management Evaluation at Naval Health Research Center.
27 Feb	Washington, DC	CDR P. Kent attended US Naval Institute ASW Program.
28 Feb	Chicago, IL	CAPT R. Gaugler conducted site visit of Naval Dental Research Institute in conjunction with the Army/Navy Consolidation Group.
28 Feb	Norfolk, VA	CDR L. Yaffee visited to attend meetings, and conferences.
28 Feb	Tampa FL	CAPT Woody visited SOCOM and Lima, Peru site visit of Naval Medical Research Institute Detachment.
01 Mar	Washington, DC	LCDR C. Puksta attended Conference on Technology Transfer at Georgetown University.
02 Mar	Austin, TX	COL R. Hall attended conference.
23 Mar	Warminster, PA	CAPT T. Jones visited to conduct program review and direction at NARC.
25 Mar	Virginia Beach, VA	CDR R. Wolf attended the Annual Naval Environmental Health Conference.
27 Mar	Homestead, FL	CDR F. Paleologo attended the TRI-Service Infectious Disease Meeting.
30 Mar	Tours, France	CAPT T. Jones attended the NATO/AGARD AMP meeting and symposium.
30 Mar	Boston, MA	CAPT A. Melaragno, and CDR L. Yaffee visited the Naval Blood Laboratory.

02 Apr	New Orleans, LA	L. Shivertaker visited to conduct site visit of Naval Biodynamics Laboratory.
03 Apr	Norfolk, VA	CAPT J. Woody site visit of Naval Environmental Health Center and CINCUSLANTFLT.
09 Apr	Buffalo, NY	CDR P. Kent attended "Physiological and Human Engineering Aspects of Underwater Breathing Apparatus" workshop.
11 Apr	Los Alamos, NM	CDR L. Yaffee attended meetings.
12 Apr	White Oak, MD	CDR P. Kent attended Symposium "Navy of the Nineties: Vision of the Future".
16 Apr	San Antonio, TX	CAPT L. Shivertaker attended meeting.
18 Apr	Wright-Patterson AFB, OH	CAPT R. Gaugler attended laboratory reorganization meeting.
22 Apr	Orlando, FL	CAPT J. Woody site visit to discuss program/plans with NTSC.
23 Apr	Memphis, TN	CDR F. Paleologo attended TRI-Service Development and Immunotherapy Mission Area Protocol Planning Meeting.
03 May	Columbia, MD	COL R. Hall attended the ACLAM Forum-Anesthesia and Analgesia in Laboratory Animals.
06 May	Ft. Walton Beach, FL	CAPT T. Jones visited to participate in DOD Human Factors Engineering Tech Group.
14 May	Houston, TX	Mr. A. David Spevack visited to participate in Patent Discussions.
20 May	San Francisco, CA	CAPT J. Woody to conduct site visit.
25 May	Paris, France	CAPT T. Jones attended NATO/AGARD Joint Working Group-15 Meeting.
30 May	Norfolk, VA	CAPT S. Lewis attended "Acute Combat Trauma Symposium".
01 Jun	Kasai, HI	CDR P. Kent attended UJNR Panel on Diving Physiology and Annual Scientific Meeting of the Undersea and Hyperbaric Medical Society.
05 Jun	Groton, CT	CDR P. Kent attended meeting to define study on physiological effects of low frequency sonar.
10 Jun	Philadelphia, PA	CAPT A. Melaragno attended the American College of Physician Executives Seminar.
10 Jun	Durango, CO	CAPT J. Woody attended conference.
12 Jun	Providence, RI	CAPT J. Woody conducted site visit.
12 Jun	Cairo, Egypt	LCDR C. Puksta participated in "Contractor Representative" for the Stage III final verification of classification standards at Navy and Army OCONUS laboratories.
19 Jun	Laurel, MD	CAPT A. Melaragno, and Ms C. Eisemann attended the Third Navy Independent Research/Independent Exploratory Development Symposium.
21 Jun	Pensacola, FL	CAPT T. Jones visited to discuss Aviation Medical Research and Development Requirements with Helicopter Squadron.
27 Jun	Boston, MA	CAPT A. Melaragno conducted site visit of Naval Blood Laboratory.

05 Jul	Los Angeles, Ca	CAPT J. Woody to give seminar.
08 Jul	Great Lakes, IL	Site visit and Command Inspection of Naval Dental Research Institute.
12 Jul	San Diego, CA	Ms M. Young to provide administrative assistance with 1990 NRAC Summer Study.
14 Jul	Toronto, CA	CAPT J. Woody site visit of DCIEM.
15 Jul	San Antonio, TX	Ms M. Tartler attended the Federal Employee Women 21st National Training Program.
24 Jul	San Diego, CA	CAPT J. Woody attended NRAC out-brief.
29 Jul	Netherlands	CAPT S. Lewis attended the 1990 Joint meeting on Diving and Hyperbaric Medicine.
07 Aug	Warminster, Pa	CAPT J. Woody to conduct site visit.
11 Aug	Amsterdam, NE	CDR P. Kent attended 1990 joint meeting of Undersea & Hyperbaric Medical Society/International Congress on Hyperbaric Medicine/ European Underseas Biomedical Society.
12 Aug	San Francisco, CA	CAPT J. Woody attended negotiation meeting with DARPA and Gilliad.
14 Aug	Boston, MA	CAPT T. Jones attended American Psychological Association Annual Meeting.
20 Aug	New London, CT	Mr. K. Johnson to conduct annual Occupational Safety and Health Management Evaluation at Naval Submarine Medical Research Laboratory.
02 Sep	London, UK	CAPT S. Lewis attended conference, and meetings. Visit the Royal British Naval Hospital and Diving Medical Complex.
06 Sep	Warminster, PA	Attend Laser Program review.
09 Sep	Pensacola, FL	CAPT T. Jones attended the Lasers and Performance Workshop.
18 Sep	London, UK	CAPT J. Woody attended conference on T-Cells and Cytokines.
19 Sep	Boston, MA	CAPT A. Melaragno to conduct site visit of Naval Blood Laboratory.
25 Sep	San Diego, CA	CDR P. Kent attended ABCA-10 Conference (International Information Exchange Program on Diving Physiology).
29 Sep	Cairo, Egypt	CAPT J. Woody site visit to Naval Medical Research Unit Three.
29 Sep	Copenhagen, DE	CAPT T. Jones attended conference.
02 Oct	Pensacola, FL	CAPT T. Jones attended program review at Navy Aerospace Medical Research Laboratory.
09 Oct	Dayton, OH	CAPT T. Jones attended NATO/AGARD Meeting.
10 Oct	Parson's Island	CAPT J. Woody attended the Armed Forces Epidemiology Board Meeting.
13 Oct	Milwaukee, WI	COL R. Hall attended ASLAP and 41st AALAS Annual Meeting.
16 Oct	Washington, DC	Ms C. Eisemann attended Tenth Anniversary Naval Technology Meeting.

16 Oct	Dayton, OH	LCDR J. Beddard attended program review at Toxicology Detachment and Brooks Air Force Base.
19 Oct	London, UK	CAPT T. Jones attended NATO/AGARD Meeting.
25 Oct	Norfolk, VA	LCDR J. Beddard attended Desert Shield Preventive Medicine Team debrief at Navy Environmental Health Center.
02 Nov	New Orleans, LA	CAPT J. Woody attended the Tropical Medicine Meeting.
04 Nov	San Diego, CA	CAPT P. Curran, and CAPT S. Lewis attended Naval Medical Research and Development Command sponsored meeting.
04 Nov	New Orleans, LA	Attend the American Society of Tropical Medicine and Hygiene Annual Meeting.
06 Nov	Airlie, VA	Attend T-Cell and Cytokines in Health and Disease Conference.
11 Nov	Nashville, TN	CAPT S. Lewis attended the Association of Military Surgeons of the United States (AMSUS) annual meeting.
11 Nov	San Diego, CA	CAPT T. Jones attended DOD Human Factors Engineering Technical Group Meeting.
12 Nov	New Orleans, LA	Mr. K. Johnson conducted annual Occupational Safety and Health Management Evaluation at Naval Biodynamics Research Laboratory. To conduct safety training.
20 Nov	Great Lakes, IL	Mr. A. David Spevack visited for speaking engagement at Navy Dental Research Institute.
20 Nov	Groton, CT	CDR P. Kent attended coordination meeting at Naval Submarine Medical Research Laboratory.
23 Nov	Seoul, Korea	CDR R. Oberst to present the Biological Defense Briefing for USARMRDC.
30 Nov	Boston, MA	CAPT A. Melaragno attended the American Society of Hematology meeting.
02 Dec	Pensacola, FL	Site visit and Command Inspection of Naval Aerospace Medical Research Laboratory.
03 Dec	Honolulu, HI	Ms C. Eisemann, CDR F. Paleologo and CDR R. Oberst attended OCONUS Laboratories Commanders Conference and American Society of Tropical Medicine and Hygiene Meeting.
04 Dec	Philadelphia, PA	CAPT J. Woody attended the Government Laboratory/Industry Technology Transfer Conference.
11 Dec	London, UK	CAPT J. Woody attended the Royal Society Honorary Program and Site Visit to Porton Down.
13 Dec	Pensacola, FL	Mr. A. David Spevack speaking engagement at Navy Aerospace Medical Research Laboratory.
28 Dec	Saudi Arabia	CDR F. Paleologo departed for the Forward Laboratory in support of Dessert Shield/Storm.

## SUMMARY OF EDUCATION AND TRAINING

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08 Feb	LT M. Dobson, MSC, USN attended Intermediate dBase III Plus Course, NAVMEDA TASERVCEN, Bethesda, MD
15 Jul	Ms. Mary Alice Tartler attended the Federal Employee Women 21st National Training Program, San Antonio, TX.
14 Jun	Mr. P. Cheng attended Effective Naval Writing Course, Naval School of Health Science, Bethesda.
24 Oct	Mr. K. Johnson, attended Introduction to Safety Management at the Safety Council of Maryland, Baltimore, MD.
25 Oct	Ms. Jane Hoover, attended "For Women Only - Self Esteem and Peak Performance".

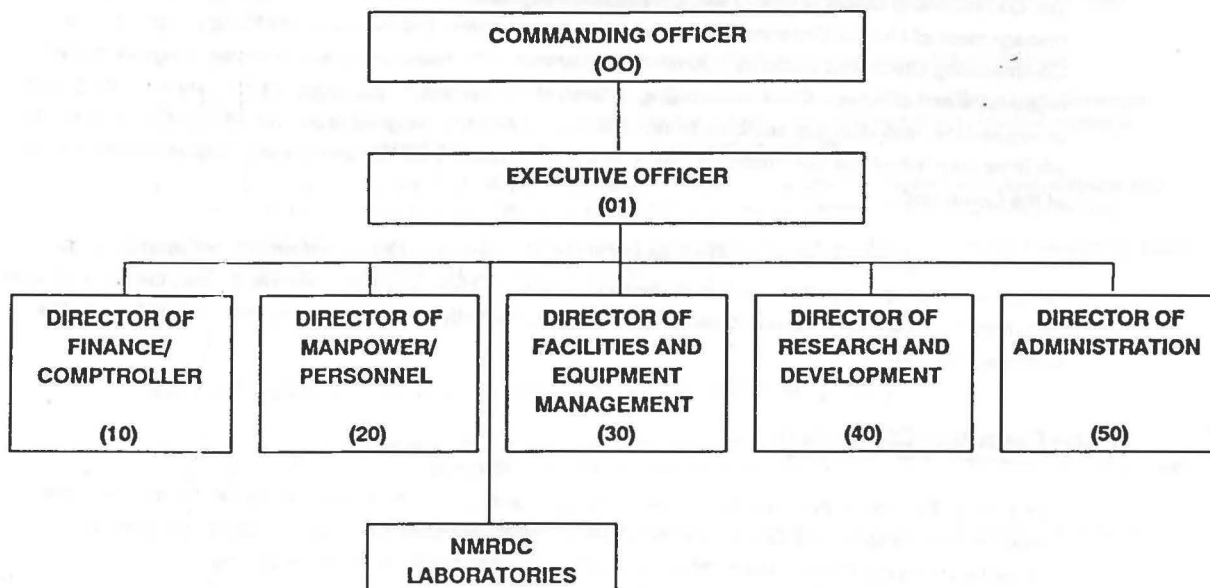
## PUBLICATIONS

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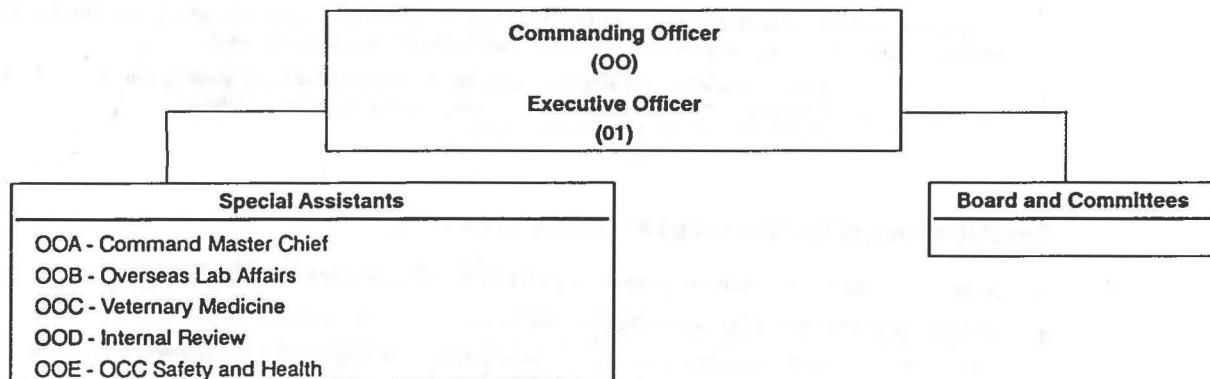
### Navy Medicine Articles

Jan/Feb 90	NAVMEDRSCHDEVCOM Initiates Studies at MIFs  Naval, Shallow-Depth Decompression Tables Will Extend Navy Diving.  Navy Dentist Designs A New Ballistic Face Shield.
Mar/Apr 90	Navy Procedures Help Identify Medical Requirements of the Fleet.  Is it HTLV-1 Infection or Malaria?  DNBI Rates: A Novel Information Source for Medical Planners.
May/Jun 90	New Technique Measures Divers' Respiratory System Impedance.  RadHaz Measures Soon Will Be Easier.  Topical Antipenetrant for Schistosomiasis to be Field Tested in Egypt.
Jul/Aug 90	Caffeine Has Variable Effects on Diver Heat Loss.  NAVDENRSCHINSTITUTE Developed Rapid Screening Tests for Periodontopathic Bacteria.  NAVAEROMEDRSCHLAB Developed a Multidisciplinary Assessment Technology for Sustained Flight Operations.
Sep/Oct 90	Polar T3 Syndrome.  Rat and Swine Model of Experimental Sepsis.  New Technology Offers Hope for the Delivery of a Campylobacter Vaccine.
Nov/Dec 90	A New Method for Growing Bone Using In Vitro Culture.  Navy Researchers in Cairo Develop a New Approach to Tuberculosis Testing.  NAVMEDRSCHDEVCOM's First Cooperative Research and Development Agreement.

## NAVAL MEDICAL RESEARCH AND DEVELOPMENT COMMAND ORGANIZATION



## OFFICE OF THE COMMANDING OFFICER



The Office of the Commanding Officer includes the Commanding Officer, the Executive Officer, Special Assistants and support personnel.



## **The Commanding Officer (00)**

The Commanding Officer is tasked with the responsibility for effective and economical organization and management of Medical Department research, development, test and evaluation (RDT&E) programs. The Commanding Officer has authority to fulfill the duties and obligations prescribed in current manuals, orders, regulations and directives. The Commanding Officer, at his discretion, and when not contrary to existing laws or regulations, may delegate authority to subordinates to execute assigned tasks. This delegation of authority will in no way relieve the Commanding Officer of the responsibility for the safety, well-being and effectiveness of the Command.

In the temporary absence of the Commanding Officer, the Executive Officer will act as the Commanding Officer. In the temporary absence of both the Commanding Officer and the Executive Officer, the Navy Medical Department officer next in rank and seniority, who is permanently assigned to the Command, will act as the Commanding Officer.

## **The Executive Officer (01)**

The primary function of the Executive Officer is to assist and advise the Commanding Officer in all matters that pertain to the mission of the Command. All orders issued by the Executive Officer shall be regarded as proceeding from the Commanding Officer and shall govern all persons within the Command.

## **Special Assistants to the Commanding Officer**

### **Command Master Chief (OOA)**

- Assists and advises the Commanding Officer on all enlisted personnel matters.
- Assists and advises Echelon IV Commanding Officers and Echelon V Officers-in-Charge on enlisted personnel matters with emphasis on enlisted personnel development, distribution and utilization throughout the spectrum of RDT&E mission execution.
- Coordinates with Command Master/Senior Chiefs of the Echelon IV and Echelon V activities to ensure that morale, personnel services, and welfare are maintained at the highest possible level.
- Maintains close liaison and coordination with the Force Master Chief of the Navy Medical Department and with the Enlisted Personnel Distribution Branch of the Navy Military Personnel Command.

### **Special Assistant for Overseas Laboratory Affairs (OOB)**

- Serves as the principal Command point-of-contact for OCONUS field activities.
- Advises the Commanding Officer on OCONUS administrative and programmatic issues.
- Coordinates OCONUS laboratory activities with appropriate State Department, Department of Defense, Chief of Naval Operations, and Naval Medical Command officials.
- Is a collateral duty function of the Research Area Manager for Infectious Diseases.

### **Special Assistant for Veterinary Medicine (OOC)**

- Assists and advises the Commanding Officer on veterinary medicine and animal care and use matters.
- Assists and advises Echelon IV Commanding Officers and Echelon V Officers-in-Charge on effective animal care and use programs.
- Conducts Command Inspection visits to ascertain compliance with all Federal, DoD, and Navy animal care and use regulations and guidelines.
- Maintains liaison with Office of the Chief, U.S. Army Veterinary Corps to achieve adequate veterinary personnel staffing.



### **Special Assistant for Internal Review (OOD)**

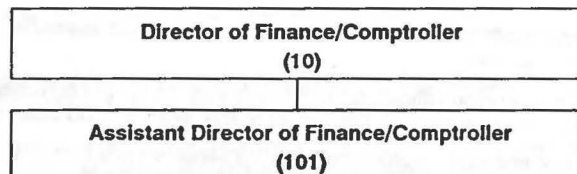
- Manages and directs the Internal Review and Internal Control Programs of the headquarters Command and field activities, and provides advice and assistance to the Commanding Officer on all matters pertaining to those programs.
- Conducts internal reviews on programs/functions with potential for waste, fraud, and abuse.
- Evaluates the effectiveness of field activity Internal Control and Internal Review Programs, develops recommendations in response to noted program deficiencies and ensures that corrective action is implemented consistent with the intent of stated recommendations.
- Coordinates and tracks field activity responses to Command Inspection Team recommendations and monitors compliance with all external review and inspection processes of NMRDC field activities.
- Advises Echelon IV Commanding Officers and Echelon V Officers-in-Charge on matters pertaining to the Internal Review and Internal Control Programs.

### **Special Assistant for Occupational Safety and Health (OOE)**

- Advises the Commanding Officer in his oversight responsibilities to ensure that Echelon IV and V laboratories officially comply with Navy Occupational Safety and Health (NAVOSH) deficiency abatement programs.
- Advises Echelon IV Commanding Officers and Echelon V Officer-in-Charge on matters pertaining to Navy Occupational Safety and Health (NAVOSH).
- Reviews and consolidates Echelon IV and V NAVOSH reporting requirements with a focus on identifying trends for actions required in support of laboratory safety and health programs.
- Serves as the Command Safety Officer.

## **OFFICE OF THE DIRECTOR OF FINANCE/COMPTROLLER**

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### **Director of Finance/Comptroller (10)**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Executive Officer as line supervisor.
- Acts as Program Element Manager for RDT&E,N Program Element 65861, "Management Support".
- Organizes approved financial plans into fiscal programs and provides recommendations on major alternatives using financial data to enhance the program decision process and ensure maximum use of available resources.
- Prepares the Medical Department RDT&E budget by coordinating fund estimates and justifications for resources.
- Develops and maintains budgetary data acquisition and retrieval systems.
- Maintains fiscal controls based on reprogramming actions.
- Maintains liaison with organizations involved in RDT&E budget formulation and execution (i.e. Chief of Naval Operations, Office of Naval Research, and Naval Medical Command).
- Monitors field activity performance for compliance with proposed financial plans and recommends fund authorization adjustments as necessary.

- Provides the Naval Medical Command Comptroller with programming data for RDT&E projects that will become operational and affect O&M,N funding.
- Is appointed in writing as the Command Allotment Administrator.

### Assistant Director of Finance/Comptroller (101)

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Director of Finance/Comptroller as line supervisor.
- Coordinates and analyzes program planning documents from higher authority.
- Assembles medical RDT&E planning data and submits required FYDP input.
- Translates approved programs into a financial plan and formulates annual supplemental and special budget estimates for submission by the Commanding Officer.
- Prepares budget estimates, special exhibits and justification material in accordance with guidelines issued by higher authority.
- Requests estimates of fiscal requirements from field activities and program managers and reviews and analyzes their responses.
- Maintains status of funds control in the budgetary execution process.
- Assumes the duties and responsibilities of the Director when the Director is absent from the Command. When acting in this capacity, the Assistant shall have full authority to function on behalf of the Director in all financial matters.
- Supervises personnel assigned to the Accounting Division (102).

## OFFICE OF THE DIRECTOR OF MANPOWER/PERSONNEL

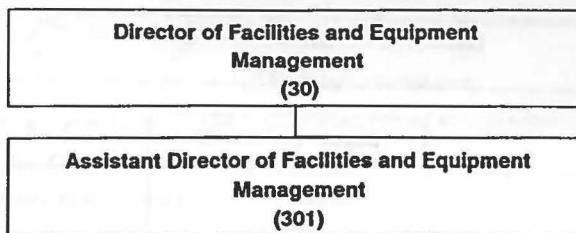
<p align="center"><b>Director of Manpower/Personnel</b> (20)</p>
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### Director of Manpower/Personnel (201)

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Executive Officer as line supervisor.
- Advises the Commanding Officer and Echelon IV and V activities on policies and procedures that govern the assignment, distribution and utilization of officer, enlisted, and civilian personnel.
- Maintains liaison and close coordination with the Naval Military Personnel Command and Naval Medical Command on matters which affect the assignment and distribution of officer and enlisted personnel.
- In coordination with the Director of Finance, implements and monitors Managing to Payroll policy throughout NAVMEDRSCHDEVCOM.
- Proposes policy on civilian personnel development, recruitment, utilization, promotion, position classification, training, incentive awards, and time and attendance.
- Evaluates field activity position Management Programs and develops recommendations to improve their position management performance.
- Manages the Command mobilization planning and contingency readiness program, reviewing all documents from field activities, and responding to requirements of higher authority as necessary.

## **OFFICE OF THE DIRECTOR OF FACILITIES AND EQUIPMENT MANAGEMENT**

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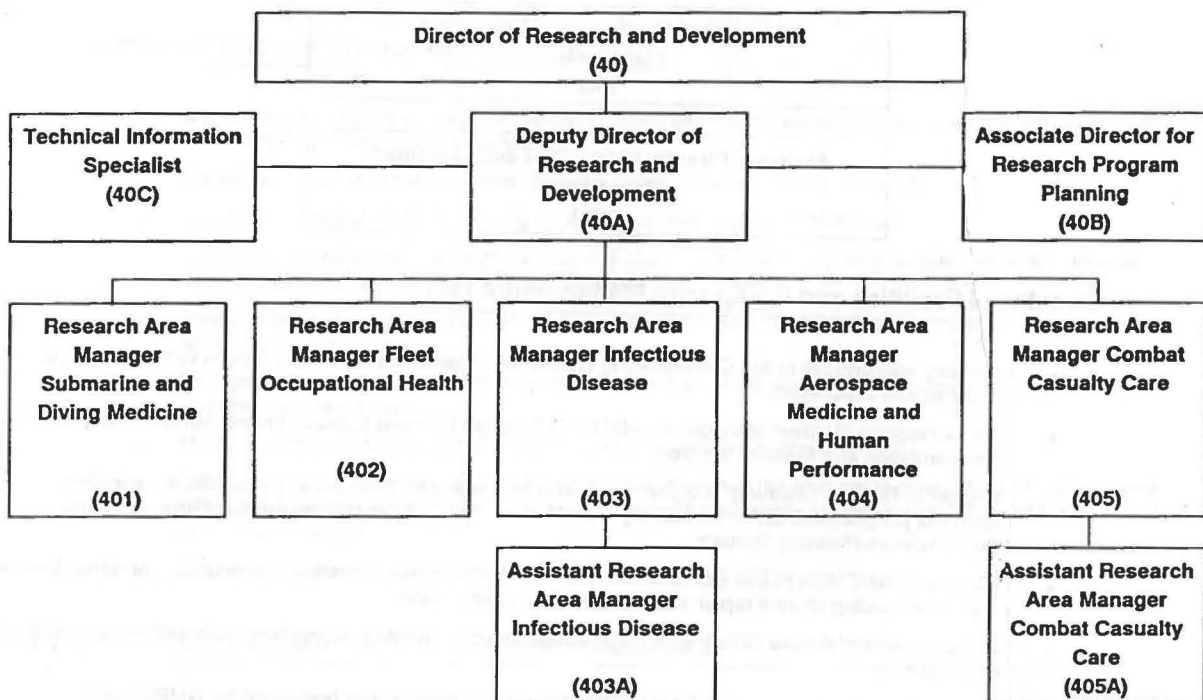
### **Director of Facilities and Equipment Management (30)**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Executive Officer as line supervisor.
- Acts as Program Element Manager for RDT&E,N Program Element 65862N, Project M0105, "Navy Medical Instrumentation and Material Support".
- Manager of facilities planning, programming, and budgeting for NMRDC and subordinate activities. Monitor of program execution for Military Construction (MILCON), Facilities Special Projects and the Shore Facilities Planning System.
- Liaison with NMCNCR Public works Division for NDWDC required alteration, construction, or repair special projects, excluding routine repair and maintenance trouble calls.
- Assists the Administrative Officer with NMRDC space assignments and any facility alterations and utility service changes.
- Manager of general purpose equipment planning, programming, and budgeting for NMRDC and subordinate activities. Monitor of program execution of equipment procurement, utilization, and redistribution. Justifies and initiates procurement of general purpose equipment for NMRDC.
- Manager of the Information Systems Program for NMRDC and subordinate activities and serves as liaison with Naval Medical Data Services Center for RDT&E ADP matters. Serves as the Executive Agent for NMRDC Information Systems Policy Board, the NMRDC ADP Security Officer and the manager of in-house ADP assets.

### **Assistant Director of Facilities and Equipment Management (301)**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Director of Facilities and Equipment Management as line supervisor.
- Assists the Director of Facilities and Equipment Management in the management and oversight of facilities, equipment, and information systems, with primary emphasis on facilities planning.
- Assumes the duties and responsibilities of the Director when the Director is absent from the Command. When acting in this capacity, the Assistant shall have full authority to function in behalf of the director in all facilities, equipment, and information system matters.

## OFFICE OF THE DIRECTOR OF RESEARCH AND DEVELOPMENT



### Director of Research and Development (40)

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Executive Officer as line supervisor.
- As the principal scientific advisor to the Commanding Officer, directs the development, management, evaluation and documentation of in-house and contract RDT&E programs in response to identified Navy and Marine Corps needs and requirements. Formulates budgets for Research, Exploratory Development, Advanced Development and Engineering Development programs.
- Exercises research program quality control and assures responsiveness to RDT&E needs through the establishment, management, and support of review panels and technical workshops.
- Directs the preparation of briefing material and program documentation required by higher authority.
- Initiates and maintains scientific liaison and coordination with other governmental and non-governmental organizations with the purpose of achieving program coordination, avoiding duplication and exploiting existing R&D capabilities to meet Navy needs.
- Reviews and approves in-house and contract RDT&E proposals.
- Develops scientific and technical instructions and guidelines for in-house and contract research and development.
- Acts as the Scientific Program Element Manager for all RDT&E 6.1 through 6.4 assigned Program Elements.
- Prepares responses to Congressional inquiries and DOD-organized apportionment issues on research program content and funding levels.
- Formulates scientific and technical management recommendations for the Commanding Officer.

### **Deputy Director of Research and Development (40A)**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Director of Research and Development as line supervisor.
- Prepares Command guidance on Five Year Plan submissions.
- Prepares annual inputs to the Program Objectives Memorandum process.
- Develops annual Command program and fiscal guidance.
- Reviews all in-house and contract RDT&E efforts.
- Conducts oversight of the functions of Ad hoc scientific review panels.
- Serves as the Command focal point for the definition, validation and documentation of scientific program requirements.
- Assumes the duties of the Director of Research and Development in the absence of that official.

### **Associate Director for Research Program Planning (40B)**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Director of Research and Development as line supervisor.
- Conducts research program planning to ensure that Navy medical research is responsive to Navy and Marine Corps operational needs.
- As Program Element Manager of the NAVMEDRSCHDEVCOM Independent Research (IR) Program, (PE61152N) develops IR basic research initiatives, establishes IR research goals, evaluates IR research progress, and develops a resource allocation plan to ensure maximum scientific productivity of IR programs.
- Manages automated systems for current and out-year fiscal planning to ensure that fiscal resources are utilized and allocated in accordance with Navy prioritized requirements.
- Compiles and presents verbal and written statistical and narrative data on research program content, funding, plans, accomplishments at briefings, meetings, and conferences.
- Coordinates and evaluates proposals for new RDT&E projects.

### **Information Services Specialist (40C)**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Director of Research and Development as line supervisor.
- Manages and monitors the scientific and technical information resources of the Command.
- Conducts literature searches, locates technical publications, and provides information gathering services as required by the staff.

### **Office of the Submarine and Diving Medicine Research Area Manager**

#### **Research Area Manager, Submarine and Diving Medicine (401)**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Director of Research and Development as line supervisor.
- Coordinates the planning and Administration of research and development efforts that involve the unique medical aspects of submarine and diving operations in support of specific underwater operational goals.
- Coordinates the medical RDT&E diving and submarine program with Naval requirements.
- Maintains liaison with the appropriate officials of the Naval Medical Command, Chief of Naval Operations, Naval Sea Systems Command, Office of Naval Research, Office of Naval Technology, and other activities concerned with underwater technology.

- Monitors in-house and contract programs in submarine and diving medicine, and advises laboratories on requirements and priorities.
- As an appointed U.S. Navy representative, serves as an active participant in international scientific exchanges and cooperation agreements involving diving and submarine medical research and development.
- Assists the Research Area Manager for Aerospace Medicine and Human Performance in the Joint Technology Coordinating Group (22JTCG) for Human Systems Technology in the area of Environmental Physiology.

## **Office of the Fleet Occupational Health Research Area Manager**

### **Research Area Manager Fleet Occupational Health (402)**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Director of research and Development as line supervisor.
- Coordinates the planning, development, support, and administration of medical research in characterizing and evaluating occupational hazards from chemical, physical, and biological stresses in operational environments (including heat, noise, vibration, atmospheric contaminants and various forms of electromagnetic radiation, including laser produced radiation), determining human exposure limits and developing effective measures for personnel protection.
- Responsible for coordination of all phases of Navy-unique medical research in chemical warfare defense.
- Provides centralized integration and coordination of the Navy's Biological Effects of Electromagnetic Radiation Program.
- Maintains liaison with related Command research programs, appropriate Naval Medical Command operational codes, Office of the Chief of Naval Research, subordinate laboratories and other government departments and agencies.
- Monitors in-house and contract RDT&E programs for these areas and advises field activities on research requirements and priorities.
- Serves as the Navy representative to the Joint Technology Coordinating Group (JTCG) for Chemical Warfare Defense for the Armed Services Biomedical Research Evaluation and Management (ASBREM) Committee.
- Assists the Research Area Manager for Aerospace Medicine and Human Performance (NMRDC-404) in the Joint Technology Coordinating Group for Human Systems Technology in the areas of Non-ionizing Radiation Bioeffects and Chemical Toxicology.

## **Office of the Infectious Diseases Research Area Manager**

### **Research Area Manager, Infectious Diseases (403)**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Director of Research and Development as line supervisor.
- Coordinates the planning, development and administration of RDT&E directed toward the epidemiology, immunology, rapid diagnosis, treatment, vaccine development and control of infectious diseases of military importance.
- Maintains liaison with the appropriate Naval Medical Command operational codes, the Navy Environmental Health Center, the Marine Corps, the Army Medical R&D Command, the Uniformed Services University of the Health Sciences, the Office of Naval Research, the Office of Naval Technology, the Armed Forces Epidemiological Board, the Armed Forces Pest Management Board, and the National Institute of Allergy and Infectious Diseases.
- Monitors the in-house and contract infectious diseases RDT&E program and keeps performing organizations advised as to requirements and priorities.
- Serves as the Navy representative on the Joint Technology Coordinating Groups (JTCGs) for Infectious Diseases of Military Relevance, and for Medical Biological Warfare Defense for the Armed Services Biomedical Research Evaluation and Management (ASBREM) Committee to coordinate RDT&E in areas of infectious diseases and biological warfare defense.
- Serves as the Commanding Officer's Special Assistant for Overseas Laboratory Affairs as a collateral duty.



### **Assistant Research Area Manager, Infectious Diseases (403A)**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Infectious Disease Research Area Manager as line supervisor.
- Assists in the management and oversight of Infectious Diseases Research Programs.
- Assumes cognizance over Infectious Diseases Program matters when the Research Area Manager is absent from the Command. When acting in this capacity the Assistant shall have full authority to function on behalf of the Research Area Manager in all program matters.
- Serves as the Liaison Officer to the U.S. Army Medical Research and Development Command and is responsible for integrating the Navy scientific program areas where the U.S. Army serves as executive agent for the Department of Defense (Infectious Disease, biological Warfare Defense, and Combat Dentistry).

### **Office of the Aerospace Medicine and Human Performance Research Area Manager**

#### **Research Area Manager, Aerospace Medicine and Human Performance**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Director of Research and Development as line supervisor.
- Coordinates planning and administration of life science research and development on human performance effectiveness in operational systems and environments of the naval service, including: work on the measurement and prediction of human performance under operational stresses (e.g., motion, sustained operations, thermal, noise, acceleration/impact, heavy workloads, etc.) of naval systems from which to develop human factors criteria for medical selection, training, engineering, work procedures; and performance maintenance/enhancement; work on the behavioral and psychological dimensions of health and safety under operations and stressful duties of naval service from which to develop criteria for medical screening and safety standards; and biomedical/biomechanical intervention techniques to maintain and/or enhance mental and physical performance in adverse operational settings.
- Maintains technical liaison with operational codes of the Office of the CNO, Naval Medical Command, Office of Naval Research, Naval Military Personnel Command, and Naval Systems Commands, as well as those of the Departments of the Army and Air Force, and other government agencies, for matters pertaining to Aerospace Medicine and Human Performance.
- Coordinates the planning, development, and administration of RDT&E projects in the multiple fields and disciplines associated with aviation medicine and human performance.
- Monitors in-house and contract aviation medicine and human performance R&D programs and keeps performing organizations advised as to requirements and priorities.
- Serves as Navy Representatives on selected U.S. Navy, triservice, and international committees, as appointed, to coordinate R&D in the thrust areas of aviation medicine and human performance research.
- Serves as the Navy representative on the Joint Technology Coordinating Groups for Human Systems Technology for the Armed Services Biomedical Research evaluation and Management (ASBREM) Committee to coordinate joint service issues in RDT&E in the six areas of: Mechanical Forces/Biodynamics, Nonionizing Radiation Bioeffects, Personal Protective equipment Technology, Operational Medicine/Performance, Chemical Toxicology, and Environmental Physiology.

### **Office of the Combat Casualty Care Research Area Manager**

#### **Research Area Manager, Combat Casualty Care (405)**

- Is directly accountable to the Command Officer for mission execution, but reports to the Director of Research and Development as line Supervisor.
- Coordinates the planning, development and administration of RDT&E efforts directed toward improved treatments and care of casualties in combat environments.
- Monitors in-house and contract RDT&E requirements and priorities.
- Maintains liaison with the appropriate organizational codes of the Naval Medical Command, Office of Naval Research, Naval Sea Systems Command, Marine Corps, laboratories under the control of the Space and Naval Warfare Systems Command, Army Medical Research and Development Command, the Air Force Aerospace Medical Division, National Institutes of Health and other government agencies to facilitate management and execution of research area responsibilities.
- Serves as the Navy representative on the Joint Technology Coordinating Group (JTCG) for Combat Casualty Care for the Armed Services Biomedical Research Evaluation and Management (ASBREM)

Committee to coordinate RDT&E in the thrust areas of: Burns and Trauma, Shock and Sepsis, Blood and Blood Substitutes, Combat Care in Extreme Environments, and Combat Medical material.

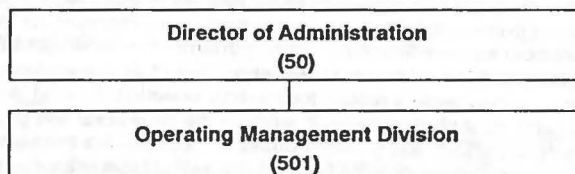
- Serves as an appointed U. S. Navy representative as U.S. Project Officer for Annex No. WDDBA-71-G-4209 "Blood Research" of Defense Development Exchange Program in DOD and Armed Services Blood Program Office (ASBPO).

#### **Assistant Research Area Manager, Combat Casualty Care (405A)**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Combat Casualty Care Research Area Manager as line supervisor.
- Coordinates the planning, development and administration of RDT&S efforts directed toward unproved treatment and prevention of dental disease and dental emergencies, and the care of combat casualties with maxillofacial injuries.
- Assists in the management and oversight of Combat Casualty Care Research Programs.
- Assumes cognizance over Combat Casualty Care Program matters when the Research Area Manager is absent from the Command. When acting in this capacity, the Assistant shall have full authority to function on behalf of the Research Area Manager in all program matters.

### **OFFICE OF THE DIRECTOR OF ADMINISTRATION**

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#### **Director of Administration**

- Is directly accountable to the Commanding Officer for mission execution, but reports to the Executive Officer as line supervisor.
- Serves as the principal administrative advisor to the Commanding Officer. He directs the management of the Office of the Commanding Officer; reviews and makes recommendations on all correspondence originating from the Command; maintains current information regarding laws, regulations, policies, and instructions pertaining to Naval administration; acts as Command liaison between offices of the Department of Defense, Naval Medical Command, Naval Military Personnel Command, and other agencies on matters affecting administration. Advises and assists subordinate commands in the interpretation and application of Command policy.
- Directs the Operating Management Division.
- Administers the Command Public Affairs Program and serves as the Command Public Affairs Officer.